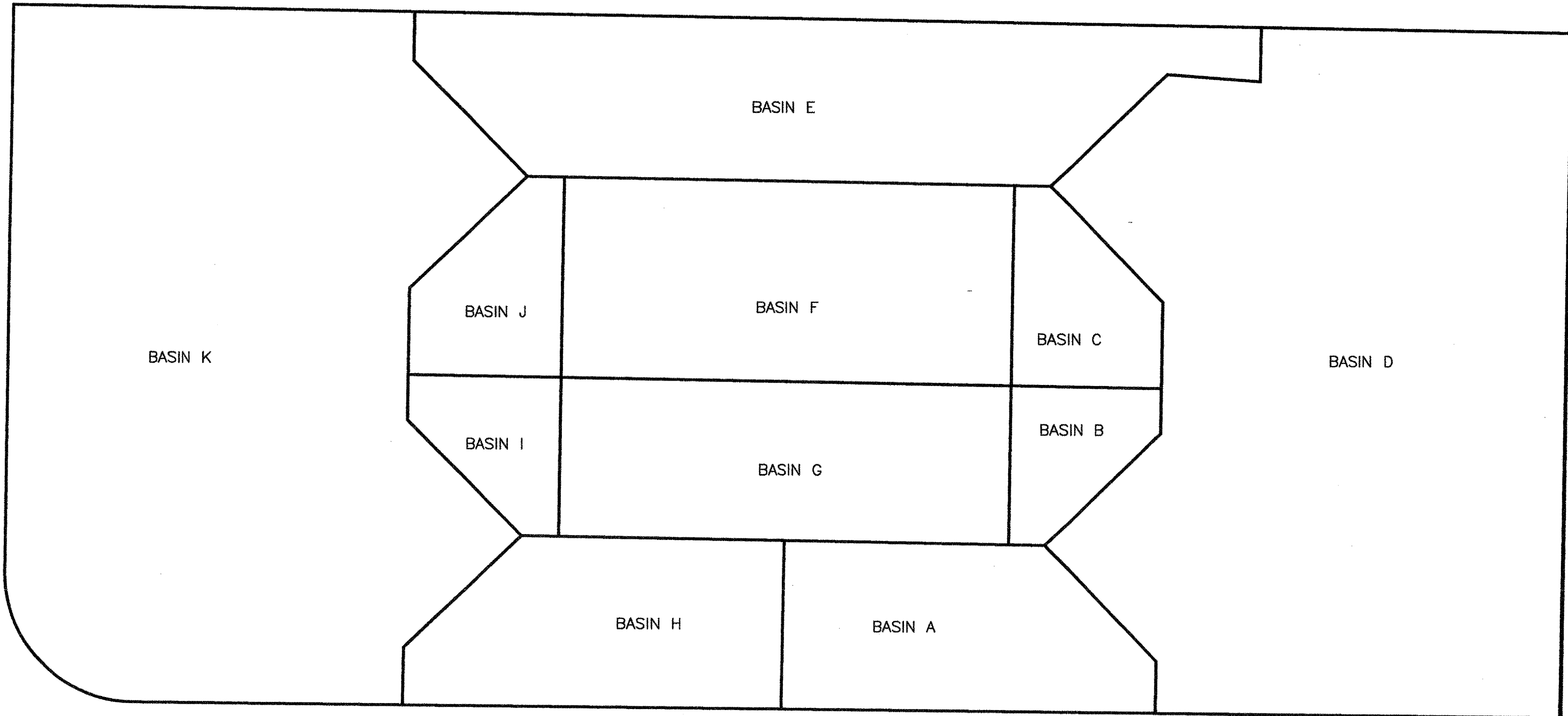


BASIN DRAINAGE DATA



basin map
1" = 20'

CONDITION	B	STORM	TREATMENT	TREATMENT	EXCESS	PEAK	RUNOFF	RUNOFF
	A	RETURN	TYPE	AREA	PRECIPITATION	RUNOFF	VOLUME	RATE
	I	PERIOD						
	N	-	(table 4)	(table 8)	(table 9)			
	-	year	-	sq. ft.	in.	cfs/acre	cu. ft.	cfs
DEVELOPED	A	100	B	741	0.78	2.28	48	0.04
			D	1343	2.12	4.7	237	0.14
			TOTAL	2084			285	0.18
	B	100	B	213	0.78	2.28	14	0.01
			D	434	2.12	4.7	77	0.05
			TOTAL	647			91	0.06
	C	100	B	213	0.78	2.28	14	0.01
			D	865	2.12	4.7	117	0.07
			TOTAL	878			131	0.08
	D	100	B	1083	0.78	2.28	70	0.06
			D	10055	2.12	4.7	1776	1.08
			TOTAL	11138			1847	1.14
	E	100	B	1041	0.78	2.28	68	0.05
			D	3186	2.12	4.7	563	0.34
			TOTAL	4227			631	0.40
	F	100	B	629	0.78	2.28	41	0.03
			D	2712	2.12	4.7	479	0.29
			TOTAL	3341			520	0.33
	G	100	B	629	0.78	2.28	41	0.03
			D	2022	2.12	4.7	357	0.22
			TOTAL	2651			398	0.25
	H	100	B	789	0.78	2.28	51	0.04
			D	1336	2.12	4.7	236	0.14
			TOTAL	2125			287	0.19
	I	100	B	213	0.78	2.28	14	0.01
			D	435	2.12	4.7	77	0.05
			TOTAL	648			91	0.06
	J	100	B	213	0.78	2.28	14	0.01
			D	666	2.12	4.7	118	0.07
			TOTAL	879			132	0.08
	K	100	B	1870	0.78	2.28	122	0.10
			D	9464	2.12	4.7	1672	1.02
			TOTAL	11334			1794	1.12

PIPE-SIDEWALK CULVERT

SINGLE PIPE CAPACITY

$Q = CA(2gh)^{1/2}$, $C = 0.6$, $A = 0.05$ SQ. FT., $g = 32.2$ FT/SEC/SEC, $H = 0.25$ FT.
 $Q = 0.12$ CFS

BASIN PIPE SIDEWALK CULVERT REQUIREMENTS

BASIN A
 $Q = 0.18$ CFS, USE 2 PIPES

BASIN F
 $Q = 0.33$ CFS, USE 3 PIPES

BASIN G
 $Q = 0.25$ CFS, USE 2 PIPES

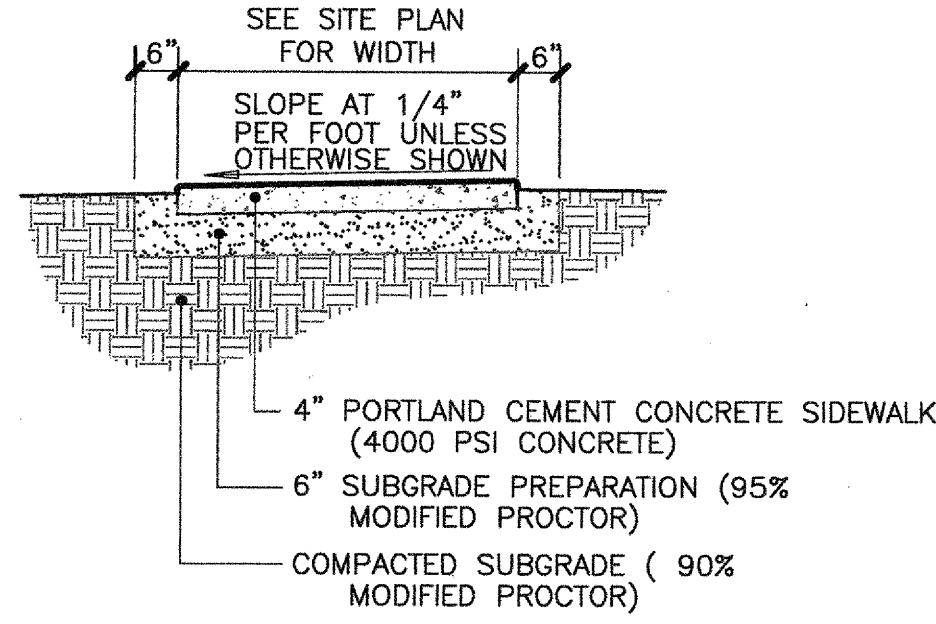
BASIN H
 $Q = 0.19$ CFS, USE 2 PIPES

BASIN I + G
 $Q = 0.31$ CFS, USE 3 PIPES

PLATE-SIDEWALK CULVERT

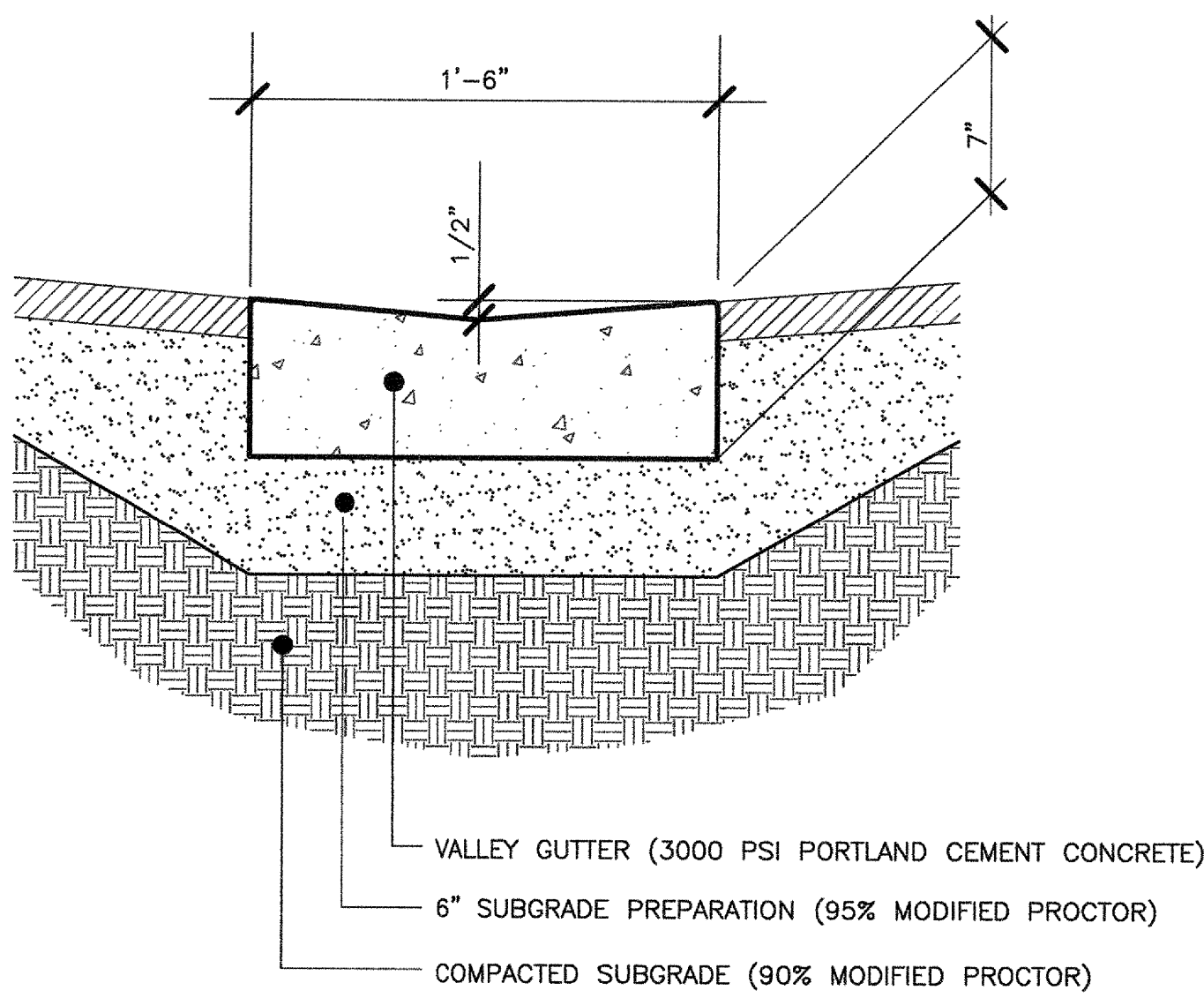
$Q = CLH^{3/2}$, $Q = 0.72$ CFS, $C = 2.6$, $H = 0.45$
 $L = 0.92$ FT
USE 12" CULVERT

SIDEWALK

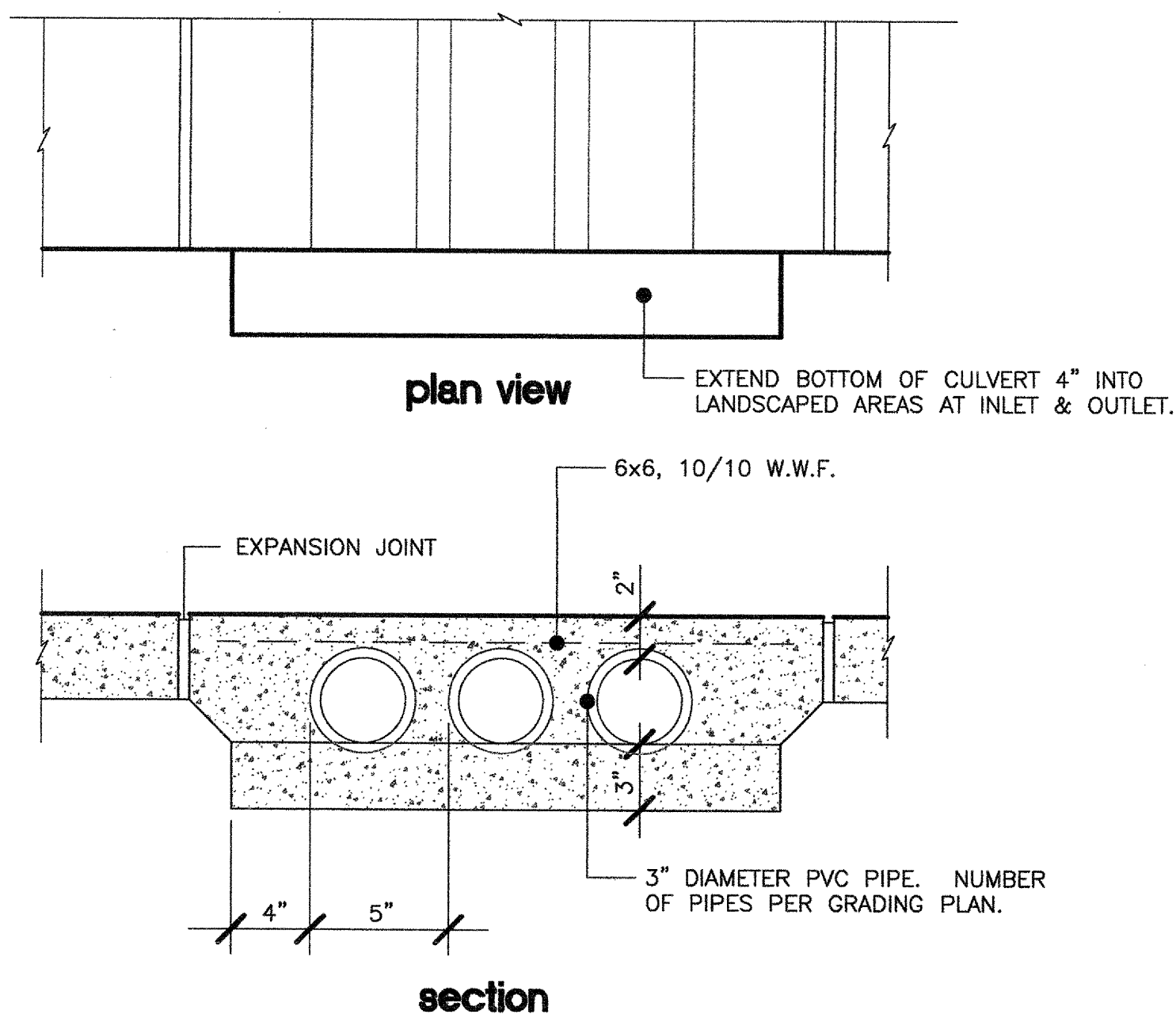


NOTE:
SEE ARCHITECTURAL SITE PLAN FOR JOINT PATTERN.

CONCRETE VALLEY GUTTER

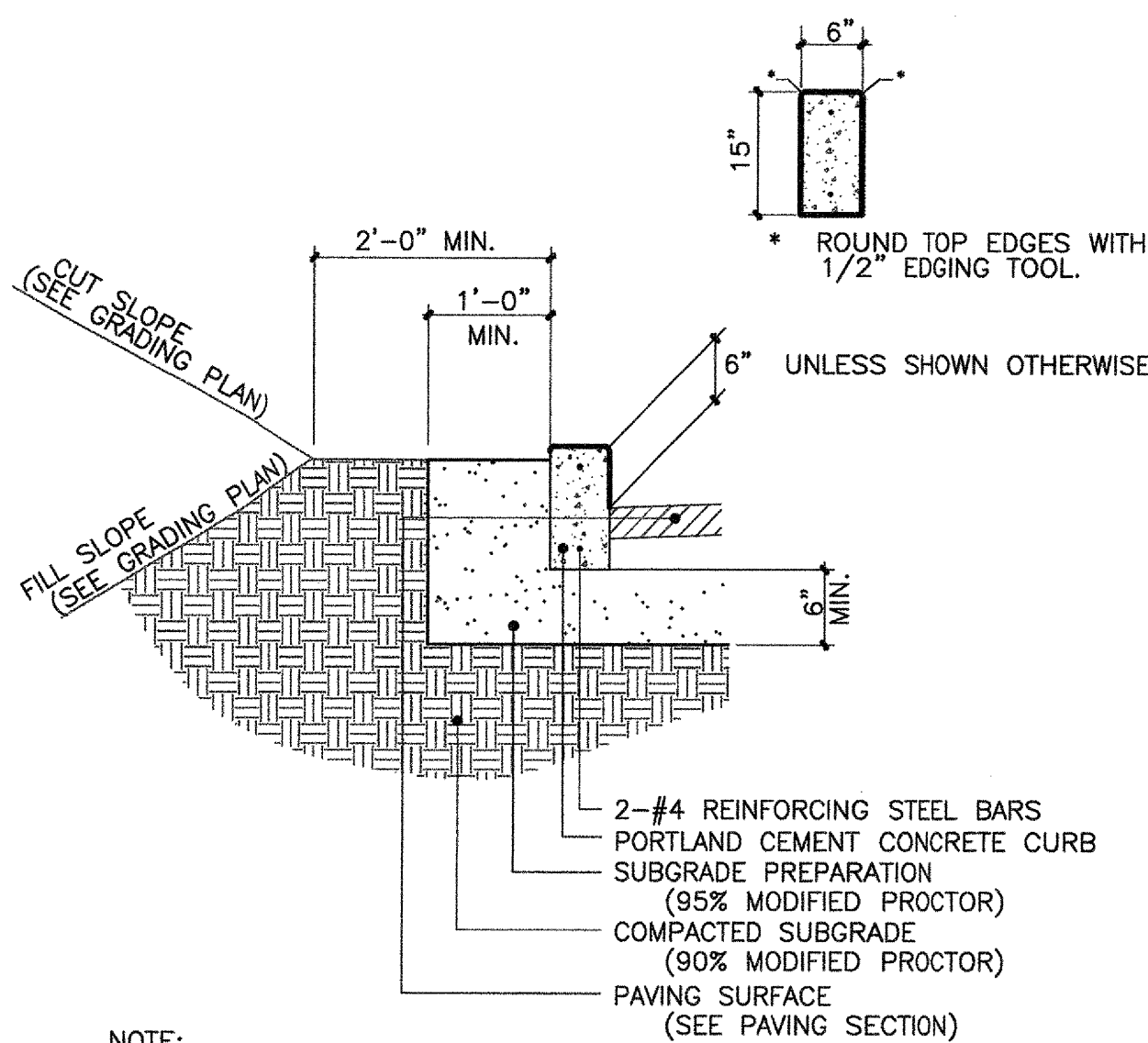


PIPE SIDEWALK CULVERT



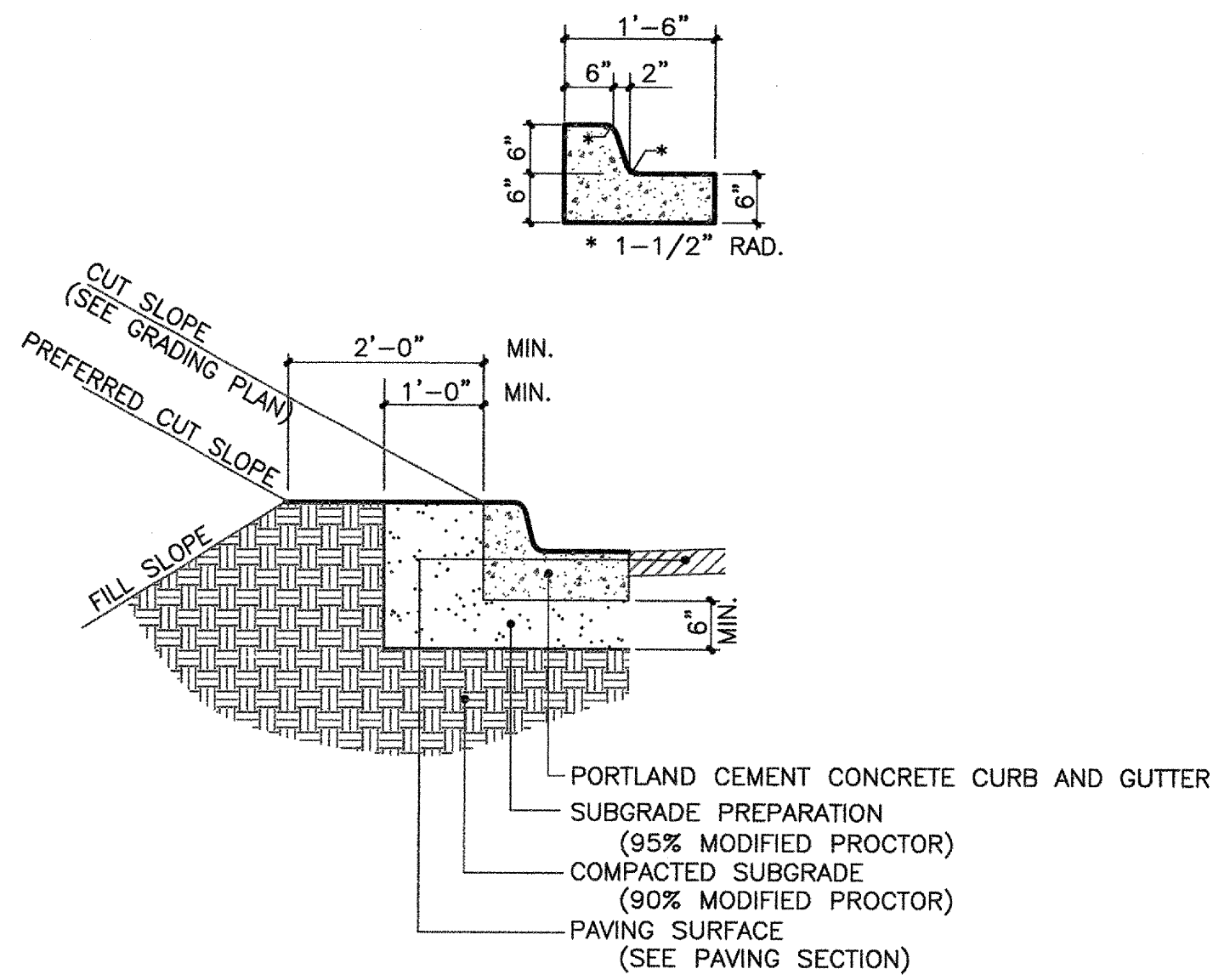
NOTES:
1. AT INSTALLATIONS WHERE THE SIDEWALK CULVERT PENETRATES A CURB FACE, THE GUTTER SHALL BE POURED MONOLITHICALLY WITH THE SIDEWALK CULVERT.
2. VISIBLE SURFACES OF THE SIDEWALK CULVERT SHALL MATCH THE COLOR AND TEXTURE OF THE ADJACENT SIDEWALK

HEADER CURB



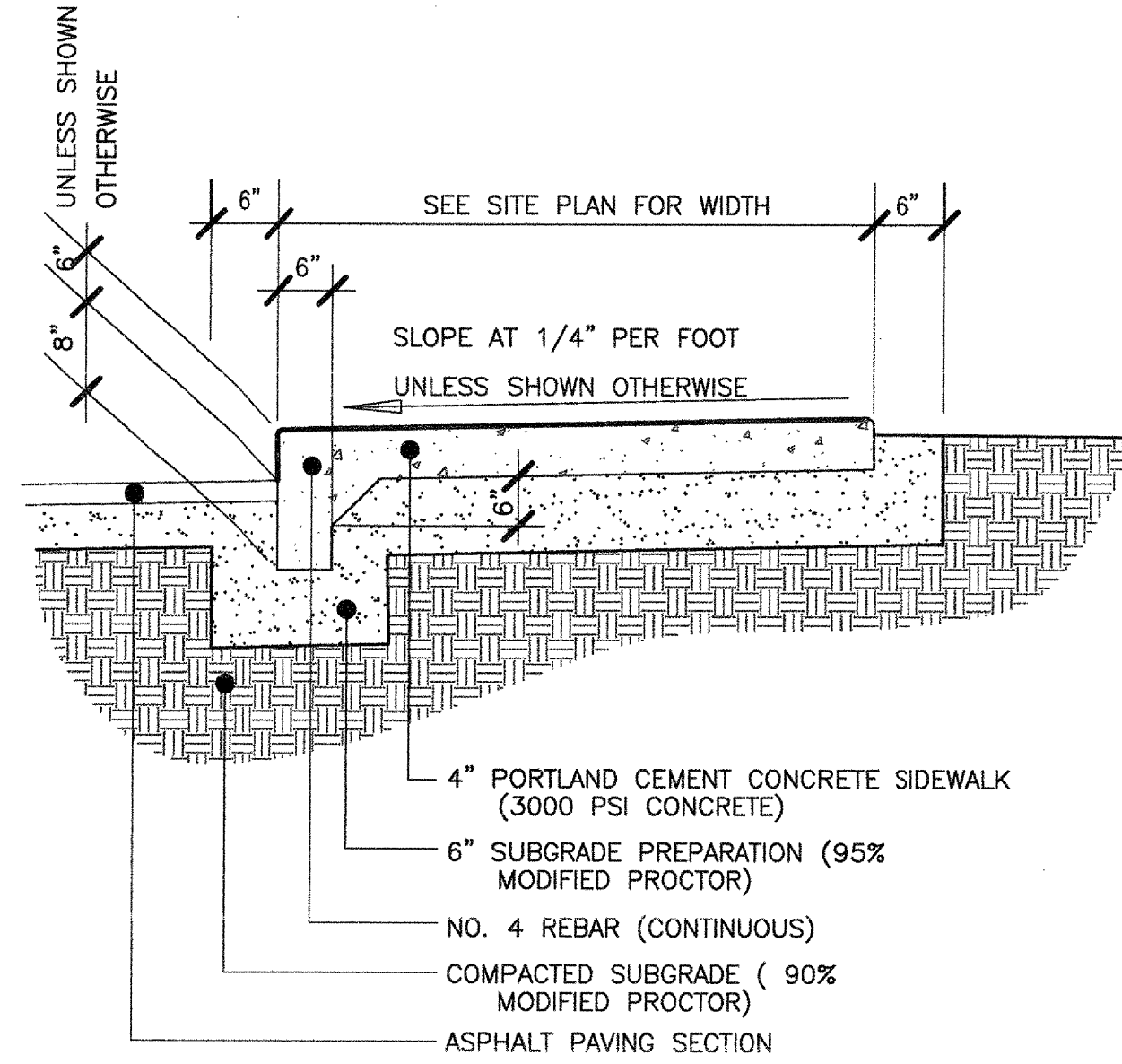
NOTE:
PROVIDE CONTRACTION JOINTS AT 5 FEET ON CENTER AND EXPANSION JOINTS AT 40 FEET ON CENTER UNLESS OTHERWISE STATED ON SITE PLANS OR IF CURB ABUTS SIDEWALK; WHERE CURB JOINTS SHALL MATCH SIDEWALK JOINTS.

CURB w/ GUTTER



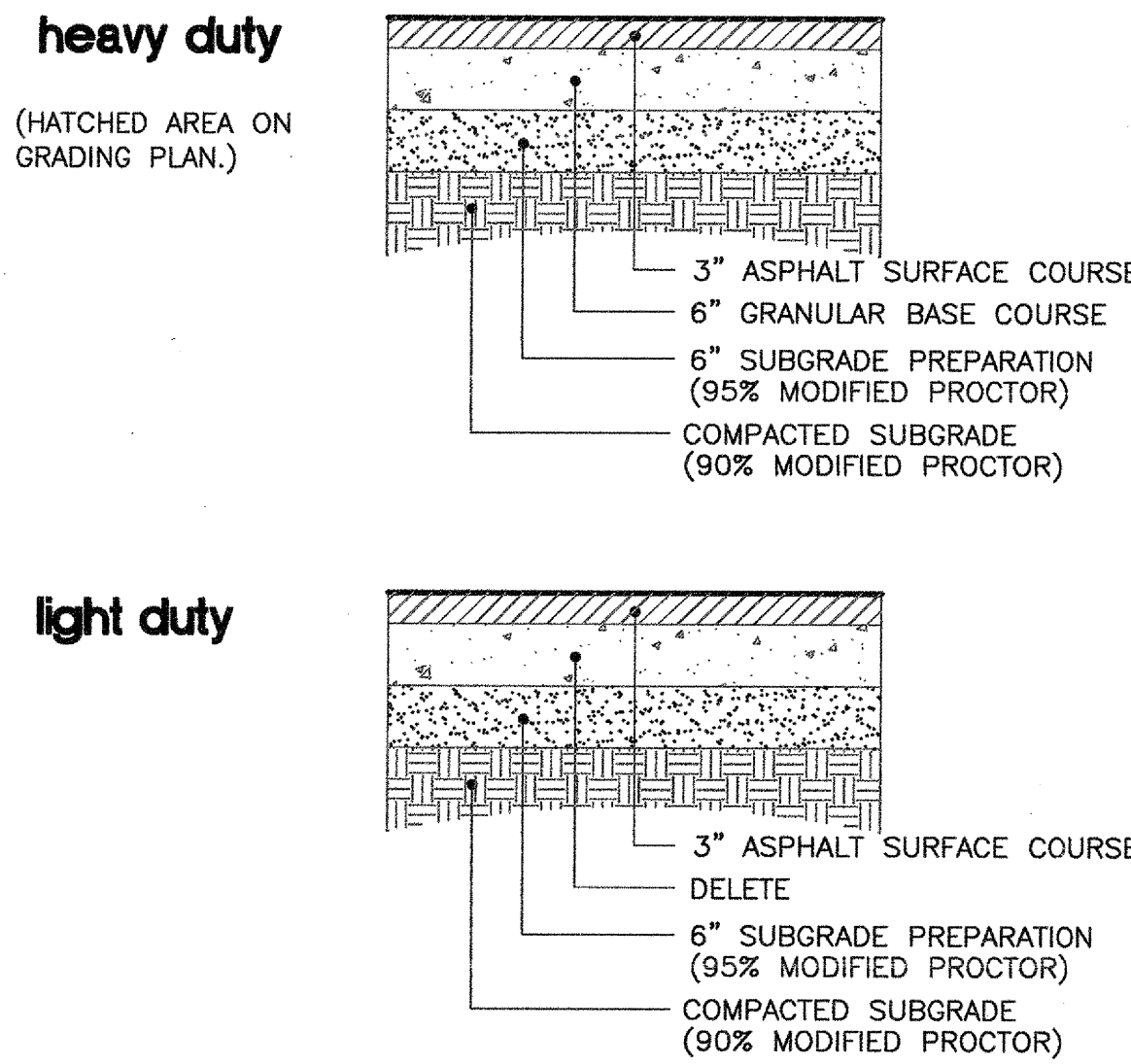
NOTE:
PROVIDE CONTRACTION JOINTS AT 5 FEET ON CENTER AND EXPANSION JOINTS AT 40 FEET ON CENTER UNLESS OTHERWISE STATED ON SITE PLANS OR IF CURB ABUTS SIDEWALK WHERE CURB JOINTS SHALL MATCH SIDEWALK JOINTS.

TURNDOWN SIDEWALK



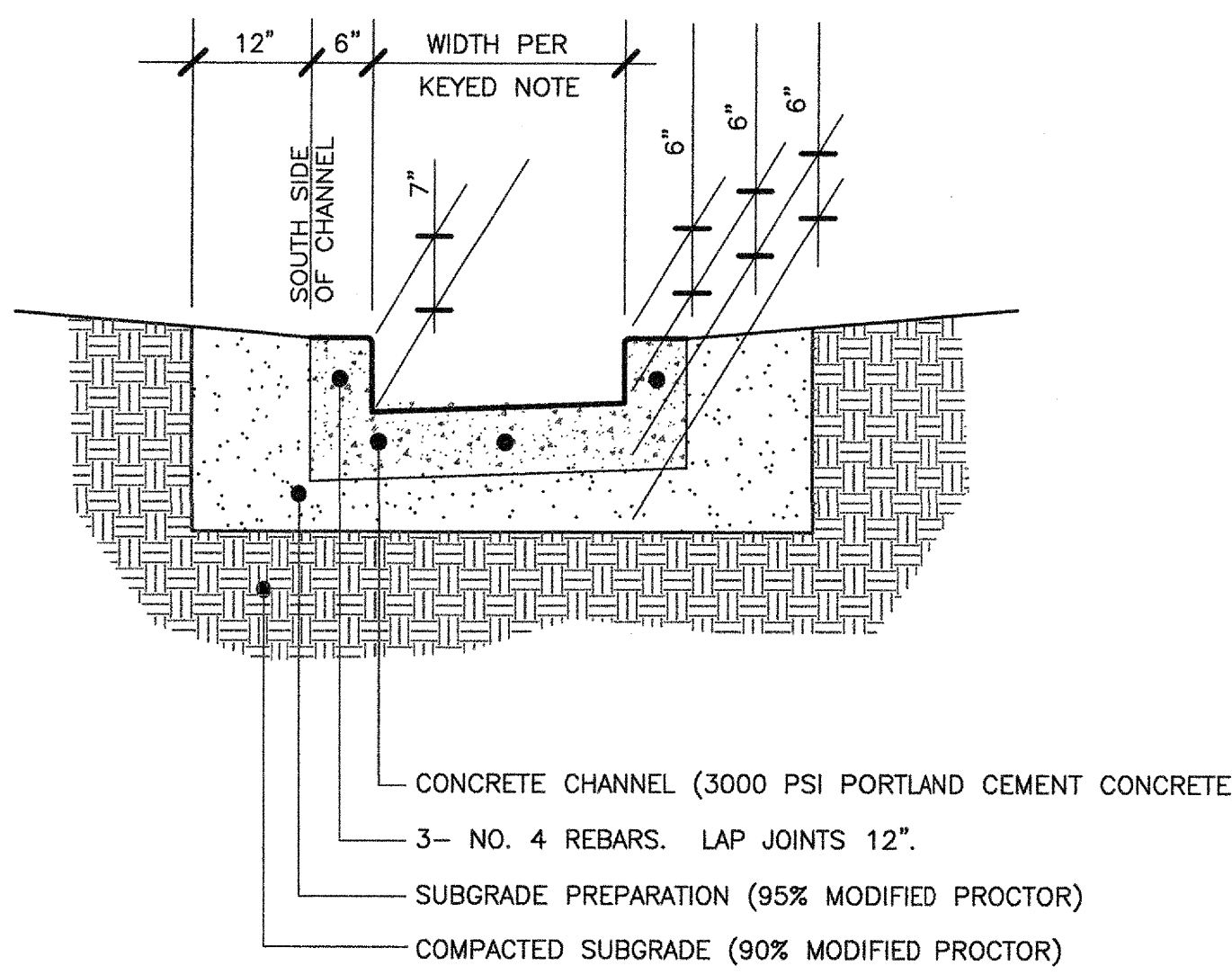
NOTE:
SEE ARCHITECTURAL SITE PLAN FOR JOINT PATTERN.

ASPHALT PAVEMENT



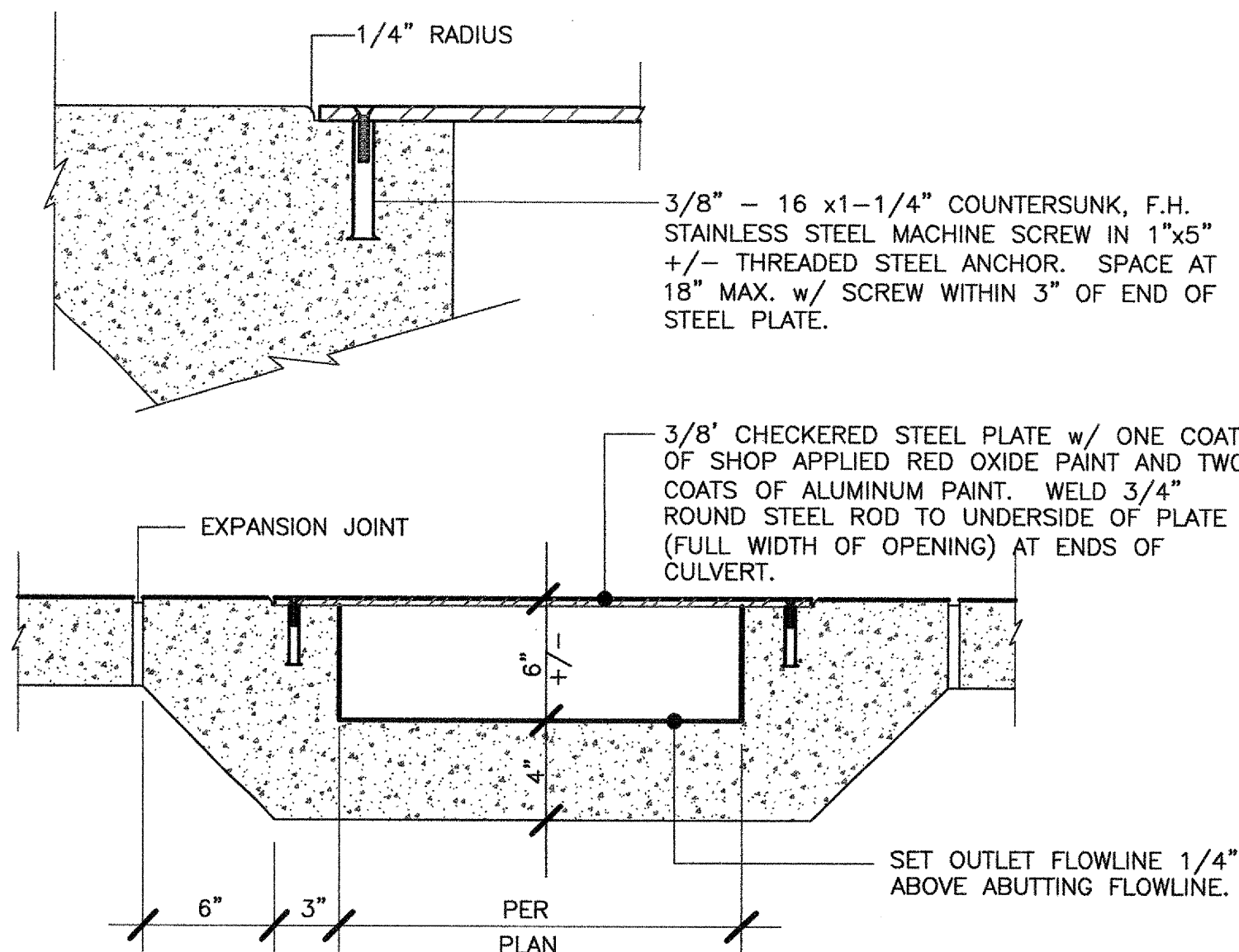
NOTES:
1. ASPHALT MIX SHALL USE COA DESIGN w/ 3/4" AGGREGATE AND HAVE A MARSHALL STABILITY GREATER THAN 1800 LBS.
2. ASPHALT CONCRETE COURSES GREATER THAN 3" IN THICKNESS SHALL BE PLACED WITH MULTIPLE LIFTS. MINIMUM LIFT THICKNESS 1 1/2".

CONCRETE CHANNEL



NOTE:
AT INSTALLATIONS WHERE THE SIDEWALK PENETRATES A CURB FACE THE GUTTER SHALL BE POURED MONOLITHICALLY WITH THE SIDEWALK CULVERT.

PLATE SIDEWALK CULVERT



NOTES:
1. AT INSTALLATIONS WHERE THE SIDEWALK CULVERT PENETRATES A CURB FACE, THE GUTTER SHALL BE POURED MONOLITHICALLY WITH THE SIDEWALK CULVERT.
2. THE MAXIMUM WIDTH OF CULVERT OPENING IS 24". AT MULTI-BARREL INSTALLATIONS THE BARRELS SHALL BE SEPARATED BY A 9" WIDE CONCRETE WALL.
3. VISIBLE SURFACES OF THE SIDEWALK CULVERT SHALL MATCH THE COLOR AND TEXTURE OF THE ADJACENT SIDEWALK

REVISIONS
DATE BY

St Price DESIGN STUDIO 2011
All plans, designs, arrangements and plans included or referenced herein are the property of St Price Design Studio, Inc. and shall remain confidential and proprietary. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written consent of St Price Design Studio, Inc.

PERMIT
NO. 5110
ST. PRICE DESIGN STUDIO, INC.
ARCHITECT

GIBSON APARTMENTS
4801 GIBSON SE
ALBUQUERQUE, NEW MEXICO

St Price DESIGN STUDIO
Joseph B. Burwinkel Jr.
ARCHITECT
3700 Court Blvd. NW Suite E
Albuquerque, New Mexico 87120 505-345-3850

DRAWN
METO
CHECKED

DATE
12.12.11
SCALE

JOB NO.
11-16
SHEET

C5
9